Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

10/018,324

Examiner

LANGLEY ET AL.

Jim Vannucci

Date

2828

✓ Rejected= Allowed

- (Through numeral)
Cancelled
+ Restricted

Non-Elected

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A Appeal
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| Cla         | aim      |                     | Date     |          |          |          |              |              | Claim        |          |          |          |  |
|-------------|----------|---------------------|----------|----------|----------|----------|--------------|--------------|--------------|----------|----------|----------|--|
| Final       | Original |                     |          |          |          |          |              |              |              |          | Final    | Original |  |
|             | 1        |                     |          |          |          |          |              |              |              |          |          | 51       |  |
|             | 2        |                     |          |          |          |          |              | Γ            |              |          |          | 52       |  |
| <u> </u>    | 3        |                     |          |          |          |          |              |              |              |          |          | 53       |  |
|             | 5        |                     |          | L        | L.       | _        | _            | L            | $oxed{oxed}$ |          |          | 54       |  |
|             |          | $\sqcup$            |          | _        |          | _        | _            | _            | _            | <u> </u> | <u> </u> | 55       |  |
|             | 6        | $\vdash$            |          | <u> </u> | L.       | ┞        | <u> </u>     | _            | <u> </u>     | <u> </u> |          | 56       |  |
| <u> </u>    | 8        | $\vdash$            |          | -        | -        | ⊢        | ├-           | <b>├</b>     | ⊢            | ├        | 10       | 57       |  |
|             | 9        | Н                   |          |          | ⊢        |          | <del> </del> | ┢            | ┢            | -        | <u> </u> | 58<br>59 |  |
| <del></del> | 10       | H                   |          | ┢        | $\vdash$ | ┢        | <del> </del> | $\vdash$     | ╁            | ┢        | -        | 60       |  |
|             | 11       |                     |          | ┢╌       |          | ┢        | H            | H            | ┼            | $\vdash$ | $\vdash$ | 61       |  |
|             | 12       | $\Box$              |          | ┢        | $\vdash$ | Т        | H            | ┢            | $\vdash$     | 1        |          | 62       |  |
|             | 13       | H                   |          | <u> </u> | Г        |          | H            |              | 1            | T        | <u> </u> | 63       |  |
|             | 14       |                     |          |          |          | Г        | Т            |              | T            |          |          | 64       |  |
|             | 15       | П                   |          |          |          |          |              |              |              |          |          | 65       |  |
|             | 16       |                     |          |          |          |          |              |              |              |          |          | 66       |  |
|             | 17       |                     |          |          |          |          |              |              |              |          |          | 67       |  |
|             | 18       |                     |          | ᆫ        | <u> </u> | L        | <u> </u>     | 乚            |              |          |          | 68       |  |
|             | 19       | $\sqcup$            |          | _        | _        | L.       | _            | L            |              |          |          | 69       |  |
|             | 20       | $\sqcup$            |          | <u> </u> | <u> </u> | _        | <u> </u>     | <u> </u>     | _            | Щ        | <u> </u> | 70       |  |
|             | 21       | -                   |          | _        | _        | ┡        | <u> </u>     | <b> </b>     | ┞-           | ļ        |          | 71       |  |
|             | 22       | $\vdash$            |          | -        | ⊢        | -        | ⊢            | <del> </del> | ┢            | H        |          | 72       |  |
|             | 23       | $\vdash$            |          | -        | ⊢        | ⊢        | ├-           |              | ╀            | -        | <u> </u> | 73<br>74 |  |
|             | 25       | $\vdash$            |          | _        | ┥        | ⊢        | ⊢            | -            | ╁            | -        |          | 75       |  |
|             | 26       | $\vdash$            |          | -        | ⊢        | -        | ┢            | ├            | ╁            | -        |          | 76       |  |
| -           | 27       |                     |          | $\vdash$ | _        | $\vdash$ | ├            | $\vdash$     | ╁╌           | H        |          | 77       |  |
| -           | 28       |                     |          |          | T        | $\vdash$ |              |              | † · ·        |          |          | 78       |  |
|             | 29       |                     |          |          |          | $\vdash$ | Т            |              | T            |          |          | 79       |  |
|             | 30       |                     |          |          |          |          |              |              | Г            |          |          | 80       |  |
| 1           | 31       |                     |          |          |          |          |              |              |              |          |          | 81       |  |
| 2           | 32       |                     |          |          |          |          |              |              |              |          |          | 82       |  |
| 3           | 33       | Ш                   |          |          |          |          |              |              |              | Ш        |          | 83       |  |
| 4           | 34       | $\sqcup$            |          |          | <u> </u> | <u> </u> | _            | L.           | L            | L        |          | 84       |  |
| 5           | 35       | $\vdash \downarrow$ | _        |          | _        | _        | <u> </u>     | _            | _            | L        |          | 85       |  |
| 6           | 36       | $\vdash$            | -        |          |          | -        | ┡            | <u> </u>     | <u> </u>     | Н        |          | 86       |  |
| 7<br>8      | 37<br>38 | $\vdash$            | ᅱ        |          | _        | ├        | <del> </del> | <u> </u>     | -            | $\vdash$ |          | 87       |  |
| 9           | 39       | $\vdash$            | -        | -        |          | -        | ⊢            | ┝            | ├            | Н        |          | 88<br>89 |  |
|             | 40       | $\vdash$            | -        | _        | -        | $\vdash$ | -            | -            | ┢            | -        |          |          |  |
| 11          | 41       | $\vdash$            | $\neg$   |          |          | _        | _            | ┢╌           |              | H        |          | 90       |  |
| 12          | 42       |                     |          |          |          | Г        | $\vdash$     | ┢            | Н            | Н        |          | 92       |  |
| 13          | 43       | $\Box$              |          |          |          |          |              | -            | Г            | М        |          | 93       |  |
|             | 44       |                     | _        |          |          |          |              |              | Г            | П        |          | 94       |  |
| 18          | 45       |                     |          |          |          |          |              |              |              |          |          | 95       |  |
| 14          | 46       |                     |          |          |          |          |              |              |              |          |          | 96       |  |
| 15          | 47       | $\sqcup$            |          |          |          |          |              |              | Ĺ            |          |          | 97       |  |
| 16          | 48       | $\sqcup$            | _        |          |          | L        |              |              | L            | Щ        | <u> </u> | 98       |  |
| 17          | 49       | $\sqcup$            | $\dashv$ |          | _        |          |              |              | <u> </u>     | Щ        | <u> </u> | 99       |  |
| لـــــا     | 50       | $\perp \perp$       |          |          | L        |          |              | L            |              | Ш        | L        | 100      |  |

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|------|----|---------------|--|----------|--|----------|--|----------------|--------------|--------------|--|-------------------------------------|---------------|
|      |    | Final         | Original   |          |  |          |  |                |              |              |  |                                     | ************* |
|      | :  | _             | 51<br>52<br>53<br>54<br>55                               |          | $\vdash$                                     | $\vdash$ |  | -              | $\vdash$     | ┝            | ┝  | ┝                                   | ł             |
|      |    | $\overline{}$ | 52   |          | $\vdash$                                     | 1        | $\vdash$   | _              | $\vdash$     | Ι-           | <del> </del>                                     | ┰                                   | 1             |
|      | i  |               | 52   |          | ├  | -        | ⊢  | -              | ┝            | ⊢            | ⊢  | ├                                   | ł             |
|      | :  |               | 53   |          | <u> </u>                                     | ļ        | <u> </u>   |                |              | L            | _  | L                                   | ŀ             |
|      | :  |               | 54   |          | _  | _        |  | <u></u>        |              |              |  |                                     | ŀ             |
|      | :  |               | 55   |          | 1  |          |  |                |              | 1            |  |                                     | ŀ             |
|      | :  |               | 56   |          |  |          |  |                |              | Г            |  |                                     | 1             |
|      | i  | 10            | 57   |          | $\vdash$                                     | $\vdash$ |  | $\vdash$       | -            | -            | H  | 一                                   | t             |
|      | :  | <del></del>   | E0   | Н        | $\vdash$                                     | ┢        | <del> </del>                                     | ┢              |              | $\vdash$     | $\vdash$   | ╫                                   | 1             |
|      | :  |               | 58   | -        | <del> </del>                                 | ⊢        | -  | ⊢              |              | _            | ⊢  | ├                                   | ŀ             |
|      | :  |               | 59<br>60   |          | ļ.,  | <u> </u> |  | _              |              | _            | ㄴ  | L.                                  | ŀ             |
|      | :  |               | 60   |          | _  | 匚        |  |                |              |              | 匚  |                                     | ŀ             |
|      | :  |               | 61   |          |  |          |  |                | 1            |              |  |                                     | ŀ             |
|      | :  |               | 62   |          |  |          |  | Γ_             |              |              |  |                                     | 1             |
|      | i  |               | 62<br>63   |          |  | _        |  |                |              | Т            | 1  | Г                                   | 1             |
|      | :  | $\vdash$      | 64   |          | $\vdash$                                     | $\vdash$ | $\vdash$   | -              | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$                            | ł             |
|      | :  | <del> </del>  | 65   | $\vdash$ | -  | $\vdash$ | ├-   | -              | <del> </del> | $\vdash$     | -  | <del>  -</del>                      | 1             |
|      | :  | L             | 65<br>66<br>67   | _        | -  | -        | ⊢  | <del> </del> — | ├            | ├—           | $\vdash$   |                                     | ł             |
|      |    |               | 00   | <u> </u> | <u> </u>                                     | <u> </u> | _  | <u> </u>       | <u> </u>     | ╙            | <u> </u>   | <u> </u>                            | ŀ             |
|      | :  |               | 67   |          |  | L        |  | <u> </u>       |              | <u> </u>     |  |                                     | ŀ             |
|      | :  |               | 68   |          |  |          |  |                |              | 1            |  | ĺ                                   | l             |
|      | :  |               | 69   |          |  |          |  | Γ              | Г            |              |  | Г                                   | l             |
|      | :  |               | 70   |          |  | T        |  | _              | $\vdash$     |              | $\vdash$   | _                                   | 1             |
|      | :  |               | 71   |          | $\vdash$                                     | ┢        |  | ┢              | $\vdash$     | -            | <del>                                     </del> | $\vdash$                            | ŀ             |
|      | :  |               | 72   | -        | <u> —                                   </u> | -        | ┝  | <b>-</b>       | ├            | ⊢            | ├  | ⊢                                   | ł             |
|      | :  |               | 72   |          | _  | $\vdash$ | -  | -              | ├—           |              | -  | ⊢                                   | ŀ             |
|      | :  |               | /3   |          |  | <u> </u> | <u> </u>   | _              | ļ            |              | ╙  | _                                   | ŀ             |
|      |    |               | 68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77 |          |  |          |  |                |              |              | L  | L                                   | ŀ             |
|      | :  |               | 75   |          |  |          |  |                |              |              | _  |                                     | ŀ             |
|      | :  |               | 76   |          |  |          |  |                |              |              |  |                                     | 1             |
|      | :  |               | 77   |          |  |          |  |                |              |              |  |                                     | 1             |
|      | :  | -             | 78   |          |  | _        |  |                |              | <b>—</b>     | _  | H                                   | ŀ             |
|      | :  |               | 70   |          | _  | -        | $\vdash$   | -              | $\vdash$     | -            | ┢  | $\vdash$                            | ł             |
|      | :  |               | 79 <sup>-</sup><br>80                                    |          | _  | ┝        | -  | -              | _            | ⊢            | -  | ⊢                                   | ŀ             |
|      | :  |               | 80   |          |  | <u> </u> |  | <u> </u>       | _            | ┞            | <u> </u>   | <u> </u>                            | ŀ             |
|      | :  |               | 81   |          |  | _        | _  | L.             |              | _            | L  | <u></u>                             | ŀ             |
|      | :  |               | 82<br>83   |          |  |          |  |                |              |              |  | L                                   | ŀ             |
|      | :  |               | 83   |          |  |          |  |                |              |              |  |                                     | ŀ             |
|      | :  |               | 84<br>85   |          |  |          |  | •              |              |              |  |                                     | 1             |
|      |    |               | 85   |          |  |          | Г  |                |              |              |  |                                     | 1             |
|      |    |               | 86   |          |  | $\vdash$ | <del>                                     </del> | Н              | Н            |              | Н  | ┢                                   | 1             |
|      |    |               | 87   | -        |  | _        | $\vdash$   | <del> </del>   | -            | <del> </del> | $\vdash$   | -                                   |               |
|      | :  |               | 87<br>88   | $\vdash$ |  | -        | $\vdash$   | -              | Н            | -            | $\vdash$   | _                                   | ł             |
|      | :  |               | 00   |          |  | _        | <u> </u>   | <u> </u>       | <u> </u>     | <u> </u>     | <u> </u>   |                                     | l             |
|      | :  |               | 89   |          |  |          |  |                |              |              | L  |                                     | l             |
|      | :  |               | 90   |          |  |          |  |                |              |              |  |                                     | ŀ             |
|      | ا  |               | 91   |          |  |          |  |                |              |              |  |                                     |               |
|      | 1  |               | 92   |          |  |          |  |                |              |              |  |                                     |               |
|      |    |               | 93   |          |  |          |  | $\vdash$       |              | _            | $\vdash$   | $\vdash$                            |               |
| H    | ا  |               | 04   | -        | $\vdash$                                     | -        | $\vdash$   | Н              |              | Н            | -  | $\vdash$                            | ŀ             |
| H    | ا  |               | 94<br>95<br>96   | $\dashv$ |  | -        | Н  | Щ              |              | -            | -  | <u> </u>                            | l             |
| iii  |    |               | 95   | _        | $\perp$                                      | <u> </u> | $\vdash$   | Щ              |              | _            | ļ  | <u> </u>                            | l             |
|      | ١  |               | 96   |          | Ш  |          | Ш  | Ш              |              |              |  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | l             |
|      | ا  |               | 97   |          |  |          |  |                |              |              |  | L                                   |               |
|      | :[ |               | 98   |          |  |          |  |                |              |              |  |                                     |               |
|      |    | $\Box$        | 97<br>98<br>99   | $\neg$   |  |          |  |                |              |              |  |                                     |               |
|      | ı  | 一十            | 100  | $\neg$   | $\neg$                                       |          |  | -              |              |              | _  |                                     |               |
| •••  | ı  |               |  |          |  |          |  | $\perp$        |              |              |  |                                     | ı             |

| Claim         Date           a         a           b         0           101         0           102         0           103         0           104         0           105         0           106         0           107         0           108         0           109         0           110         0           111         0           112         0           113         0           114         0           115         0           116         0           117         0           118         0           119         0           120         0           121         0           122         0           123         0           124         0           125         0           128         0           129         0           130         0           131         0           132         0           133         0           134   |                 |
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| 101<br>102<br>103<br>104<br>105<br>106<br>107<br>108<br>109<br>110<br>111<br>111<br>112<br>113<br>114<br>115<br>116  |                 |
| 101<br>102<br>103<br>104<br>105<br>106<br>107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116   |                 |
| 102<br>103<br>104<br>105<br>106<br>107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116  |                 |
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| 107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116   |                 |
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| 113<br>114<br>115<br>116   | $\dashv \dashv$ |
| 114<br>115<br>116  | $\dashv \vdash$ |
| 115<br>116   | $\dashv \vdash$ |
| 116  | -H              |
|  | +               |
| 117  | $\dashv \dashv$ |
| 118  | $\dashv$        |
| 118  | -+-             |
| 120  | -               |
| 121  | -               |
| 122  | $\neg$          |
| 123  | $\neg \neg$     |
| 124  | $\neg \neg$     |
| 125  | $\neg \neg$     |
| 120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128  |                 |
| 127  |                 |
| 128  |                 |
| 129<br>130   |                 |
| 130  | $\perp$         |
| 131  | $\perp$         |
| 132<br>133   | $\dashv$        |
| 133  |                 |
| 134<br>135   | $\dashv$        |
| 136  | $\dashv$        |
| 137  | $\dashv$        |
| 137<br>138<br>139  | $\dashv\dashv$  |
| 139  | $\dashv$        |
| 140  | $\dashv \dashv$ |
| 141  | $\dashv \dashv$ |
| 142  | $\dashv \vdash$ |
| 143  | $\dashv \dashv$ |
| 144  | $\dashv \dashv$ |
| 145  | $\dashv \dashv$ |
| 146  | $\neg \neg$     |
| 147  | $\Box$          |
| 148  |                 |
| 149  | $\Box$          |
| 143<br>144<br>145<br>146<br>147<br>148<br>149<br>150   |                 |